## **LISTING OF CLAIMS**

## 1-5. (Cancelled)

6. (New) Coriolis mass flow sensor for measuring a fluid flowing through a pipe, said sensor comprising:

a first tube for conducting the fluid to be measured, said first tube having a single substantially V-shaped tube segment with an inlet-side straight tube portion and an outlet-side straight tube portion, said straight tube portions being in connection via a vertex bend portion of said first tube segment, said V-shaped tube segment being coupled to the pipe during operation;

a second tube having a single substantially V-shaped tube segment with an inlet-side straight portion and an outlet-side straight portion, said straight portions being in connection via a vertex bend portion of said second tube segment;

wherein said first and said second tubes are coupled mechanically with each other at an inlet-side location and an outlet-side location, respectively;

an excitation arrangement coupled to said first and said second tubes for vibrating said first and said second tubes; and

a sensor arrangement coupled to said first and said second tubes for detecting inletside and outlet-side vibrations of at least one of the tubes.

7. (New) The Coriolis mass flow sensor as claimed in claim 6 wherein the V-shaped tube segment being coupled to the pipe via an inlet-side tube segment and an outlet-side tube segment, respectively.

- 8. (New) The Coriolis mass flow sensor as claimed in claim 7 wherein a straight portion of said inlet-side tube segment and a straight portion of said outlet-side tube segment are aligned to each other.
- 9. (New) The Coriolis mass flow sensor as claimed in claim 6 wherein the second tube having an inlet-side tube segment being connected with the V-shaped tube segment via whose inlet-side straight tube portion and an outlet-side tube segment being connected with the V-shaped tube segment via whose outlet-side straight tube portion.
- 10. (New) The Coriolis mass flow sensor as claimed in claim 9 comprising an inlet-side manifold fixed to said inlet-side tube segments of the first and second tubes and an outlet-side manifold fixed to said outlet-side tube segments of the first and second tubes.
- 11. (New) The Coriolis mass flow sensor as claimed in claim 9 wherein the first and second tubes are shaped in an identical manner.
- 12. (New) The Coriolis mass flow sensor as claimed in claim 6 comprising a first node plate affixed to each of the tubes at said inlet-side location and a second node plate affixed to each of the tubes at said outlet-side location.
- 13. (New) The Coriolis mass flow sensor as claimed in claim 12 wherein the first node plate is affixed to said inlet-side straight tube portions of the first and the second tubes and the second node plate is affixed to said outlet-side straight tube portions of the first and the second tubes.

- 14. (New) The Coriolis mass flow sensor as claimed in claim 9 wherein the first node plate is affixed to said inlet-side tube segments of the first and second tube sand the second node plate is affixed to said outlet-side tube segments of the first and second tubes.
- 15. (New) The Coriolis mass flow sensor as claimed in claim 12 wherein the first node plate is affixed to said inlet-side tube segments of the first and second tube sand the second node plate is affixed to said outlet-side tube segments of the first and second tubes.
- 16. (New) The Coriolis mass flow sensor as claimed in claim 6 comprising a support frame, said support frame being coupled to said inlet-side tube segment and said outlet-side tube segment of the first tube.
- 17. (New) The Coriolis mass flow sensor as claimed in claim 10 wherein the support frame is affixed to the inlet-side and the outlet-side manifolds.
- 18. (New) The Coriolis mass flow sensor as claimed in claim 15 wherein the support frame is affixed to the inlet-side and the outlet-side manifolds.
- 19. (New) A support frame of a Coriolis mass flow sensor for measuring a fluid flowing through a pipe, said sensor having at least one bent measuring tube within the support frame being connectable to said pipe for conducting the fluid to be measured, wherein the support frame comprises:
- a substantially plane inlet-side frame portion and a substantially plane outlet-side frame portion, both frame portions being disposed opposite to each other;
  - a substantially plane feedthrough frame portion having a feedthrough and connecting

said inlet-side frame portion and said outlet-side frame portion with each other;

a bent vertex frame portion being connected to said inlet-side frame portion and said outlet-side frame portion and being disposed opposite to said feedthrough frame portion;

wherein the at least one measuring tube is fixed to said inlet-side and said outlet-side frame portions.

- 20. (New) The support frame as claimed in claim 19 wherein each one of the inlet-side frame portion, the outlet-side frame portion, the feedthrough frame portion, and the bent vertex frame portion having the same width.
- 21. (New) The support frame as claimed in claim 19 wherein each one of the inlet-side frame portion, the outlet-side frame portion, the feedthrough frame portion, and the bent vertex frame portion having the same thickness.
- 22. (New) The support frame as claimed in claim 19 wherein an inlet-side manifold is affixed to the inlet-side frame portion and an outlet-side manifold is affixed to the outlet-side frame portion, and wherein each one of a first bent measuring tube and a second bent measuring tube each being connected with said manifolds.
- 23. (New) The support frame as claimed in claim 19 being supplemented by a front sheet and a rear sheet, said front sheet being affixed to the support frame at a first face of the support frame and said rear sheet being affixed to the support frame at a second face of the support frame.